

re-run



IFWO

RAW SEQUENCE LISTING

DATE: 07/28/2004

PATENT APPLICATION: US/10/705,716A

TIME: 10:09:24

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1 <110> APPLICANT: Robinson, John Allen
 2 Stojanovic-Susulic, Vedrana
 3 Babij, Philip
 4 Murrills, Richard John
 5 <120> TITLE OF INVENTION: A Novel PTH Responsive Gene
 6 <130> FILE REFERENCE: AM100401
 C--> 7 <140> CURRENT APPLICATION NUMBER: US/10/705,716A
 8 <141> CURRENT FILING DATE: 2003-11-10
 9 <150> PRIOR APPLICATION NUMBER: US 60/425,532

10 <151> PRIOR FILING DATE: 2002-11-12

11 <160> NUMBER OF SEQ ID NOS: 63

12 <170> SOFTWARE: PatentIn version 3.2

14 <210> SEQ ID NO: 1

15 <211> LENGTH: 2146

16 <212> TYPE: DNA

17 <213> ORGANISM: Rat

18 <400> SEQUENCE: 1

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21	ggaccgcgga	gaccgagtc	acctggetca	cctacaccga	ctcggacgcg	ctgcccagcg	180
22	ccgcagccac	ggacagcggc	cccgaggcgg	gcggcctgca	cgcggtgtg	ctggaagacg	240
23	ggccgtcttc	taacggtgtg	ctccgacctg	cagccccagg	tggaatagcc	aaccagaga	300
24	agaagatgaa	ctgtgggacc	caatgtccca	actcacagag	cctcagctca	ggccctctga	360
25	cccagaagca	gaatggcctt	tggaccacag	aggctaaaag	ggatgccaa	cgaatgtctg	420
26	caagagaagt	cgctatcagc	gtcacagaga	atatccggca	gatggacaga	agtaaaaggg	480
27	tcacaaagaa	ctgcatcaat	tagcagtgct	tgggtgtgga	agcacatgaa	cttctttgtg	540
28	gcgtccagtc	aaagaatatt	gaagaagtgg	gtgtcactca	ctgaacgtgg	atgcctctga	600
29	gcgacgcacg	gccaccacag	cggtgacgac	catcccgtt	tctgtttat	cacatacaga	660
30	aaatacatcg	aaaagtccctg	gaatatgttc	acagattgcc	aaactatggt	ttgtttttcc	720
31	tctctgcagc	ttccgtagca	gggtctgctg	taaccatggt	gaagcccgtg	ggcctgtgaa	780
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38	cgaatcacia	tgtcacatgt	ttggggccct	tgcacccaac	ctgcaccgc	tttgggacct	1200
39	agctccatgt	ggctttttcc	atagctttct	agttccctgt	tcttctcatg	gactttgtac	1260
40	tccagtcagg	tcatttgcag	ctgtaatcaa	agactggaca	ccactcccgg	gggaaggtga	1320
41	cctaggaaca	catggtgaca	cacacgatgc	ccccttggcc	tttctgtaca	cagccccaa	1380
42	gaccgtgtta	ttttggtatc	tgcaaagcaa	ttagtttggg	aagccagagc	ctggttgatg	1440
43	tatattcctg	ctgacatcag	accaagaagg	cactgtattg	gaaagcaggc	agccaacaca	1500
44	gccaaagccat	gctctgatat	ggaccctttc	cccacattcc	taaacacatc	ctcctgcaaa	1560



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47      acatgtttat acgacacagt ccaagagaag taacctaagc gggctaaaat gcagatgctc      1740
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53      caacctctct caccttgact ccttggtcaaa gggcttttag ggaacttcac gttctgacaa      2100
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58 <212> TYPE: PRT

59 <213> ORGANISM: Rat

60 <400> SEQUENCE: 2

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64      20              25              30
65      Ser Asp Ala Leu Pro Ser Ala Ala Thr Asp Ser Gly Pro Glu Ala
66      35              40              45
67      Gly Gly Leu His Ala Gly Val Leu Glu Asp Gly Pro Ser Ser Asn Gly
68      50              55              60
69      Val Leu Arg Pro Ala Ala Pro Gly Gly Ile Ala Asn Pro Glu Lys Lys
70      65              70              75              80
71      Met Asn Cys Gly Thr Gln Cys Pro Asn Ser Gln Ser Leu Ser Ser Gly
72      85              90              95
73      Pro Leu Thr Gln Lys Gln Asn Gly Leu Trp Thr Thr Glu Ala Lys Arg
74      100             105             110
75      Asp Ala Lys Arg Met Ser Ala Arg Glu Val Ala Ile Ser Val Thr Glu
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79      Asn
80      145

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82 <210> SEQ ID NO: 3

83 <211> LENGTH: 2847

84 <212> TYPE: DNA

85 <213> ORGANISM: Homo sapiens

86 <400> SEQUENCE: 3

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89      agccgccgcc agagccgaca gccgagcagc cgctgggcgc tcccgcggcg caggaggatg      180
90      ggctgcggcg ggagccgggc ggatgccatc gagccccgct actacgagag ctggaccgcg      240
91      gagacagaat ccacctggct cacctacacc gactcggacg cgccgcccag cgccgccgcc      300
92      ccggacagcg gccccgaagc gggcgggcct cactcgggca tgctggaaga tggactgccc      360
93      tccaatggtg tgccccgatc tacagcccca ggtggaatac ccaaccaga gaagaagacg      420
94      aactgtgaga cccagtcccc aaatccccag agcctcagct caggccctct gaccagaaa      480
95      cagaatggcc ttcagaccac agaggctaaa agagatgcta agagaatgcc tgcaaaagaa      540

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96 gtcaccatta atgtaacaga tagcatccaa cagatggaca gaagtcgaag aatcacaaag 600
97 aactgtgtca actagcagag agtccaagca gaagggcaga tggacttctt cagtgtcctt 660
98 cacggcactg gatcccatca aagaaccttg aagaagtggc tgccccctgc tggacctgaa 720
99 ttctactgag tccttggaag gactgtctta cctggcagca aactgctgcc tgatttgttg 780
100 ggaccttctg agccttctac ttatcatgta aatgtattgg cacagtgcct acatatgtta 840
101 ataaactgca aatgtgcagt tcagtttgtc tctttgcaac tctgttaata cggctcgggtg 900
102 taaaagttag gagttaagc tacaggtcag tttatgaaac agaaaagtag gaatgcattt 960
103 tctgggtgaa agagtcacac cttagtgcga taactctcct gcccatgata gtgtattctg 1020
104 tttcaggcaa gcttattctt tccttctttc attttaaata ttgtcattac aaatcttacc 1080
105 aggttcactt aaaagctggc ttcatccaa ctctaaaccc acatattgaa aaaatcaagg 1140
106 tacaggaaaa ctcttggtta tccttgtttc cttagcttgg tatgagacag atcggatcca 1200
107 gtttcccatg caccaaccca ctgccatgg catgtctttg ggaggtgtct gtgaagcagt 1260
108 catacctgct cctcatctgc ctggaaagtc ctctatttcc agtgtccatg ttggcctcca 1320
109 gtccttaatg tcaccatgct tgtggccaat gcatccaaat aaggataccc ctgagggtct 1380
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111 ttccctctct atcgggggtca cttgcaattg ttaatcaaag attgaacact gcgtaggaga 1500
112 gggagatgat ccagagacat gtggcagcag gcatggcttc cccttggcct ctctgtacac 1560
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128 agttcaaggg ctctttctcc ctggggatgt gctttgtggc ttctctttac agctttgttt 2520
129 ctgcatcagt tcaactgtgc atgttgtttg gaatttatca ccttaagaaa gtgtctctgt 2580
130 tttatataga aacactttct cacttacagg ggagaaggaa atgcagggca catgatctgg 2640
131 ccctccccag aacaatctgg atttcacgga gacagcaacc agaagttaa ccatgtgact 2700
132 aaaaatgcat ctggctactt tttcatgtat gtatgagaca gaaactaatc cttactatcc 2760
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138 <212> TYPE: PRT

139 <213> ORGANISM: Homo sapiens

140 <400> SEQUENCE: 4

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143 Glu Ser Trp Thr Arg Glu Thr Glu Ser Thr Trp Leu Thr Tyr Thr Asp
144 20 25 30
145 Ser Asp Ala Pro Pro Ser Ala Ala Ala Pro Asp Ser Gly Pro Glu Ala

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146          35          40          45
147 Gly Gly Leu His Ser Gly Met Leu Glu Asp Gly Leu Pro Ser Asn Gly
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149 Val Pro Arg Ser Thr Ala Pro Gly Gly Ile Pro Asn Pro Glu Lys Lys
150          65          70          75          80
151 Thr Asn Cys Glu Thr Gln Cys Pro Asn Pro Gln Ser Leu Ser Ser Gly
152          85          90          95
153 Pro Leu Thr Gln Lys Gln Asn Gly Leu Gln Thr Thr Glu Ala Lys Arg
154          100          105          110
155 Asp Ala Lys Arg Met Pro Ala Lys Glu Val Thr Ile Asn Val Thr Asp
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160 145
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169 gccccggaca gcggccccga agcggggcggc ctgcactcgg gctaaaagag atgctaagag 180
170 aatgcctgca aaagaagtca ccattaatgt aacagatagc atccaacaga tggacagaag 240
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174 <211> LENGTH: 54
175 <212> TYPE: PRT
176 <213> ORGANISM: Homo sapiens
177 <400> SEQUENCE: 6
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179 1 5 10 15
180 Glu Ser Trp Thr Arg Glu Thr Glu Ser Thr Trp Leu Thr Tyr Thr Asp
181 20 25 30
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183 35 40 45
184 Gly Gly Leu His Ser Gly
185 50
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188 <211> LENGTH: 1988
189 <212> TYPE: DNA
190 <213> ORGANISM: Mouse
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194 agacggagtc cacctggctc acctacaccg actcggacgc gctgcccagc gccgcagcca 180
195 cggacagcgg ccccgaggcg ggcggcctgc acgcgggtgt gctggaagac ggactgtcct 240
196 ctaacggggt gtcccgacct gcagccccgg gtggaatagc caaccagag aagaagatga 300
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201   caaagaatcc tgaagaagtt gatgtcactc gatgagtgtg gatgcctctg agtgacacac      600
202   ggccacccaa cgctgtgacg aacatctcgg tttcctgttt atcacatata gaaaatacat      660
203   cgaaaagtcg tgaaatatgt tcatagattg ccaaaatgtg gtttggtttt tcccctctgc      720
204   agcttccata gcatggctct ctgtagccat ggcgactggc acagaaaggc tggagtaacg      780
205   gaatccctgt caaggagctc acactcgtgc agagctttct cagtgtgtgg ttgcagacaa      840
206   actccttctt tctccttttc cttttaaata cggccaccac aaaatttact gttttcactt      900
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209   gtctttgaga ggtgtctatg agacacgcac atgcacacgc acacacacac acatacctgt     1080
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235   20          25          30
236   Ser Asp Ala Leu Pro Ser Ala Ala Thr Asp Ser Gly Pro Glu Ala
237   35          40          45
238   Gly Gly Leu His Ala Gly Val Leu Glu Asp Gly Leu Ser Ser Asn Gly
239   50          55          60
240   Val Leu Arg Pro Ala Ala Pro Gly Gly Ile Ala Asn Pro Glu Lys Lys
241   65          70          75          80
242   Met Asn Cys Gly Thr Gln Cys Pro Asn Ser Gln Asn Leu Ser Ser Gly
243   85          90          95
244   Pro Leu Thr Gln Lys Gln Asn Gly Leu Trp Ala Thr Glu Ala Lys Arg
245   100         105         110
246   Asp Ala Lys Arg Met Ser Ala Arg Glu Val Ala Ile Asn Val Thr Glu
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